Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	07/08/2020 11:38 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	02/04/2020 09:45 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020 (Expired)
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124137	-1	2.42	124180	2.45
Blue	F	SSC	125000	123286	-2	2.08	123951	2.10
Blue	E	FITC	15892	15479	-3	2.92	336	21.54
Blue	D	PE	29999	29102	-3	2.06	632	15.16
Blue	B	PerCP-Cy5-5	43732	43076	-2	3.87	1155	20.84
Blue	A	PE-Cy7	30845	30760	-1	6.38	584	42.62
Red	C	APC	46112	45095	-3	2.53	1588	12.14
Red	A	APC-Cy7	30458	29778	-3	2.43	788	12.00
Violet	B	V450	7918	7583	-5	4.02	438	12.63
Violet	A	V500	32171	31604	-2	3.75	743	10.20

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17176	12.31	634	13	N/A	N/A	Pass
Blue	F	SSC	56949	1.42	573	14	N/A	N/A	Pass
Blue	E	FITC	61	65.51	551	8	0.0166	84	Pass
Blue	D	PE	133	51.01	557	9	0.1557	278	Pass
Blue	B	PerCP-Cy5-5	214	50.75	664	8	0.0087	54	Pass
Blue	A	PE-Cy7	107	108.72	708	10	0.0102	24	Pass
Red	C	APC	380	25.78	590	6	0.0250	212	Pass
Red	A	APC-Cy7	175	29.05	561	5	0.0056	1131	Pass
Violet	B	V450	66	58.87	464	6	0.0580	2425	Pass
Violet	A	V500	111	32.80	480	6	0.0238	740	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.41	-32.01	0.98
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.44
Red	15.24	13.60 - 20.40	N/A	N/A	29.50	29.96	1.18

Window Extension: 7.00
FSC Area Scaling Factor: 0.87

Threshold

Threshold (FSC): 9548

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments